ABSTRACT OF THE DISCLOSURE

A gun control system is disclosed that includes a fire control kernel and location-independent software components within the fire control kernel. The kernel provides core fire control functionality that is unaffected by changes within the external

5   environment, such as changes to the physical configuration of the gun system of which the gun control system is a part. Each location-independent software component has a specific functionality, and is able to run on any processor within the system in a location-independent manner. These software components can include a target/track management interface software component, a gun control system control interface software

10   component, a gun mount control interface software component, an ownship data interface software component, and a gun control system display interface software component.